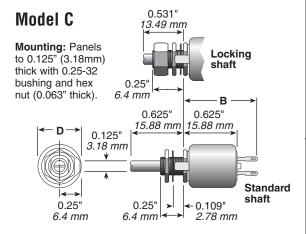
Rheostats

(Potentiometers) Wirewound

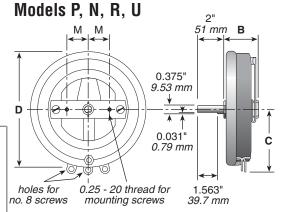


Model E 0.531" unenclosed 0.625" shaft 15.88 mm 13.49 mm locking 0.125" nut 3.18 mm 0.25" 6.35 mm locking standard shaft shaft **←** 0.078" 0.25" 0.406" 6.35 mm 1.98 mm Mounting: Panels to 10.32 mm 0.125" (3.18mm) thick enclosed with 0.25-32 bushing and hex nut (0.063" thick). 0.094" 2.38 mm ≯

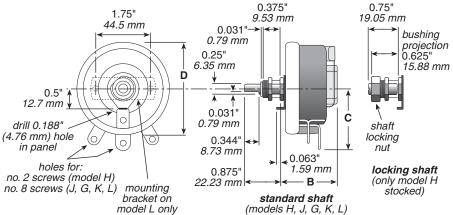
Dimension "M"

P 0.875" 22.23 mm
 N 1.188" 30.16 mm
 R 1.5" 38.1 mm
 U 3" 76.2 mm

Mounting: Panels to 1.25" (31.75mm) thick with 0.25-20 flat-head screws.



Models H, J, G, K, L



Mounting: Panels to 0.25" (6.35mm) thick with 0.375-32 bushing and hex nut (0.094" thick) (or with 10-32 x 0.75 F.H. screws for model L only).

Dimensions for reference only; consult factory for details.

Since all rheostats/potentiometers are electro-mechanical devices, they are subject to mechanical wear and, therefore, have a finite life.

Models H, J, K, L and N are listed under UL Reexamination Service File No. E-10946 and CSA File No. 21309 unless noted otherwise.

All rheostats are 10% tolerance.

See page 93 for knobs, dials, and other hardware

ORDERING INFORMATION										
Ri W Po	eries — heostats firewoun otentiom Watts 7.5 7.5 12.5	d deters Mode C C	R C	E = Core Enclosed	ROHS compliant $\mathbf{50E}$ \mathbf{E} Resistance Value* Example: $\mathbf{R50} = 0.50\Omega$ $\mathbf{1R0} = 1\Omega$					
EE = ES = GS = HL = JS = KS = NS = RS = US =	12.5 12.5 75 25 25 50 100 150 300 225 500 1000		Standard Locking Standard Standard Locking Standard	Open	7R5 = 7.5Ω 250 = 250Ω 1K0 = 1,000Ω 1K75 = 1,750Ω 4K5 = 4,500Ω 50K = 50,000Ω *Check Table for Standard Resistance Values and Maximum Current Values					

Mode	el Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (In./mm)	Diameter "D" (In./ <i>mm</i>)	Dimension "C" (In./mm)	Shaft torque	Rotation (±5°)
E	RES/REL	12.5	1.0-15K	open	305	0.688/17.46	0.875/ 22.23	0.594/ <i>15.08</i>	1-6 oz. in.	300°
Н	RHS/RHL	25	1.0-25K	open	500	1.375/ <i>34.93</i>	1.560/ <i>39.62</i>	0.940/ <i>23.88</i>	0.25-0.5 lb. in.	300°
J	RJS	50	0.5-50K	open	750	1.375/ <i>34.93</i>	2.31 / 58.67	1.56 / <i>39.62</i>	0.25-2 lb. in.	300°
G	RGS	75	0.5-50K	open	900	1.750/ <i>44.45</i>	2.75 / <i>69.25</i>	1.78 <i>/45.21</i>	0.5-2 lb. in.	300°
K	RKS	100	0.5-50K	open	1000	1.750/ <i>44.45</i>	3.125/ <i>79.38</i>	1.91 / <i>48.51</i>	0.5-2 lb. in.	300°
L	RLS	150	0.5-50K	open	1200	2.000 / <i>50.8</i>	4.00 /101.60	2.28 /57.91	0.5-3 lb. in.	300°
P	RPS	225	1.0-30K	open	1300	2.125/53.98	5.00 /127.00	2.97 /75.44	2.5-4 lb. in.	310°
N	RNS	300	1.0-50K	open	1225	2.375/60.33	6.00 /152.40	3.44 <i>/87.38</i>	2.5-5 lb. in.	320°
R	RRS	500	1.0-20K	open	1450	2.125/53.98	8.00 /203.20	4.31/109.47	4.5-7 lb. in.	325°
U	RUS	1000	1.0-20K	open	1600	3.000 / <i>76.2</i>	12.00 / <i>304.80</i>	6.38/ <i>162.05</i>	3.5-7 lb. in.	335°
C	RCS/RCL	7.5	10.0-5K	enclosed	305	0.875/22.23	0.515/ <i>13.08</i>	_	0.25-3 oz. in.	300°
E	REE	12.5	1.0-15K	enclosed	305	1.219/ <i>30.96</i>	1.047/ <i>26.59</i>	_	1-6 oz. in.	300°

- \bullet Models H, J, G, and K also available in enclosed versions.
- See Catalog #203 for complete details.
- RoHS compliant product available. Add "E" suffix to part number to specify.
- Made-to-order rheostats available: Contact nearest Ohmite sales office.
- * Voltage rating dependent on resistance value.

STANDARD PART NUMBERS FOR RHEOSTATS												
	7.5W Model C	12.5W Model E	25W Model H	50W	75W	100W	150W	225W	300W	500W	1000W	
	Std. shaft Locking x.	Std. shaft Locking Enclosed IX.	Std. shaft Locking IX.	Model J	Model G	Model K	Model L	Model P	Model N	Model R	Model U	
alie	Std. sha'Lockingmax.	Std. sha Locking Enclose of max.	Std. Lock	шах.	тах.	тах.	тах.	_ шах.	тах.	тах.	тах.	
Part No. Prefix [] Suffix	S	ω		· · · · ·	60	60	S—S	8	S—S	S——S	100	
	RCS- RCL-	RES REL- REE-	RHS RHL Amps				RLS—	RPS	RNS—	RRS	RUS	
0.5 ——R50 1 ——1R0		V V V 3.53	✓ ✓ 5.00	✓ 10.0 ✓ 7.07	✓ 12.3 ✓ 8.66	✓ 14.1 ✓ 10	✓ 17.3 ✓ 12.3	✓ 15.0	✓ 17.32	✓ 22.3	✓ 31.6	
1.5 ——1R5		4 4 4 0 50	4 4 0 5 4	4 5 00	4 0 40	4 7 07	4 0.05	4.40.0	4 40 04	✓ 18.2	25.8	
2 ——2R0 2.5 ——2R5		✓ ✓ ✓ 2.50✓ ✓ ✓ 2.24	✓ ✓ 3.54	5.00	✔ 6.12	✓ 7.07	✓ 8.65	✓ 10.6	✓ 12.24	✓ 15.8 ✓ 14.1	✓ 22.4 ✓ 20.0	
3 ——3R0 4 ——4R0		✓ ✓ ✓ 2.04	✓ ✓ 2.88	✓ 3.53	✓ 5.00	✓ 5.75	✓ 7.07	✓ 8.66 ✓ 7.50	✓ 10.00 ✓ 8.66	✓ 12.9 ✓ 11.2	✓ 18.3 ✓ 15.8	
5 — 5R0		✓ ✓ ✓ 1.58		0.50	✓ 3.88	✓ 4.47	✓ 5.48	✓ 6.71	√ 7.75	✓ 10.0	✓ 14.1	
6 ——6R0 7.5 ——7R5		V V V 1.44	✓ ✓ 2.04	✓ 2.88	✓ 3.16	✓ 3.65	✓ 4.47	✓ 5.49	✓ 6.32			
8 ——8R0		V V V 1.25	✓ ✓ 1.77	✓ 2.50						√ 7.90	✓ 11.2	
10 ——10R 12 ——12R	∨ ∨ 0.86	V V V 1.12	✓ ✓ 1.58	✓ 2.04	✓ 2.74	3.16	3.88	✓ 4.74	✓ 5.48		10.0	
12.5 ——12R5	4 4 0 71	4 4 0 01	4 4 1 00				4 0 100	4 0 07	4 4 47	✓ 6.30	✓ 8.95	
<u>15 — 15R</u> 16 — 16R	✓ ✓ 0.71	✓ ✓ ✓ 0.91	✓ ✓ 1.29	✓ 1.76	✓ 2.17	✓ 2.50	3.163	✓ 3.87	✓ 4.47	✓ 5.60	✓ 7.90	
22 ——22R 25 ——25R	✓ ✓ 0.55	VVV 0.71	✓ ✓ 1.00	✓ 1.50	✓ 1.73	✓ 2.0	✓ 2.450	✓ 3.00	✓ 3.46	✓ 4.47	✓ 6.33	
35 ——35R	✓ ✓ 0.46	V V V 0.60	✓ ✓ 0.845	✓ 1.19	1.70	2.0	✓ 2.070	0.00	0.40		0.00	
<u>40 — 40R</u> 50 — 50R	✓ ✓ 0.39	✓ ✓ ✓ 0.50	✓ ✓ 0.707	✓ 1.00	✓ 1.23	✓ 1.41	✓ 1.735	✓ 2.12	✓ 2.45	✓ 3.54 ✓ 3.16	✓ 4.47	
75 — 75R	✓ ✓ 0.32	V V V 0.40	✓ ✓ 0.575		✓ 1.00	✓ 1.15	✓ 1.415	✓ 1.73	✓ 2.00		✓ 3.65	
80 ——80R 100 ——100	✓ ✓ 0.27	✓ ✓ ✓ 0.36	✓ ✓ 0.500	✓ 0.790	✓ 0.866	✓ 1.00	✓ 1.225	✓ 1.50	✓ 1.73	✓ 2.52	✓ 3.16	
125 — 125	.4 .4 0.00	✓ ✓ ✓ 0.32	✓ ✓ 0.445	✓ 0.630			.4 1 000	.4 1 00	.4 1 /11	✓ 2.00		
150 ——150 160 ——160	✓ ✓ 0.22	✓ ✓ ✓ 0.29		0.575			1.000	✓ 1.22	✓ 1.41			
175 ——175 200 ——200	✓ ✓ 0.19	✓ ✓ ✓ 0.27 ✓ ✓ ✓ 0.25	✓ ✓ 0.375		✓ 0.612	✓ 0.707	✓ 0.865	✓ 1.06	✓ 1.22	✓ 1.69	✓ 2.39	
225 ——225				✓ 0.470	0.012	0.707		1.00	1.22		√ 2.11	
250 ——250 300 ——300	✓ ✓ 0.17	VVV 0.22	✓ ✓ 0.316	✓ 0.408	✓ 0.500	✓ 0.575	✓ 0.775	✓ 0.866	✓ 1.00	1.41	✓ 1.83	
325 ——325							4 0 055			✓ 1.24		
350 ——350 400 ——400	✓ ✓ 0.15	✓ ✓ ✓ 0.19	✓ ✓ 0.267		✓ 0.433	✓ 0.500	✓ 0.655	✓ 0.750	✓ 0.866		✓ 1.48	
500 ——500 600 ——600	✓ ✓ 0.12	✓ ✓ ✓ 0.16	✓ ✓ 0.222	✓ 0.316	✓ 0.388	✓ 0.447	✓ 0.548			✓ 1.00	✓ 1.41	
700 — 700								✓ 0.567	✓ 0.655			
750 ——750 800 ——800	✓ ✓ 0.10	V V V 0.13	✓ ✓ 0.182	✓ 0.250	✓ 0.316	✓ 0.365	✓ 0.447			✓ 0.817	1.15	
900900								✔ 0.500	✓ 0.578			
1000 ——1K0 1200 ——1K2	✓ ✓ 0.086	V V V 0.10	✓ ✓ 0.155	0.224	✓ 0.274	✓ 0.316		✓ 0.433	✓ 0.500	✓ 0.707	1.00	
1250 ——1K25 1500 ——1K5		V V 0.090	✓ ✓ 0.129		✓ 0.224	✓ 0.258	✓ 0.346	√ 0 207	0.447	0.577	0.016	
1600 — 1K5	✓ ✓ 0.071	V V 0.090	V 0.129	✓ 0.176	0.224	0.238		✓ 0.387	✓ 0.447	✓ 0.577	✓ 0.816	
1750 ——1K75 1800 ——1K8							✓ 0.288	✓ 0.358	✔ 0.414			
2000 ——2K0					✓ 0.194	✓ 0.224		✓ 0.336	✓ 0.387	✔ 0.500		
2250 ——2K25 2500 ——2K5	✓ ✓ 0.055	✓ ✓ ✓ 0.070	✓ ✓ 0.100	✓ 0.141	✓ 0.173	✓ 0.200	✓ 0.259	✓ 0.300	✓ 0.346	✓ 0.447	✓ 0.633	
3000 ——3K0							✔ 0.224					
3500 ——3K5 4500 ——4K5	✓ ✓ 0.046	V V V 0.060	✓ ✓ 0.084	✓ 0.119			✓ 0.182		1. 1. 1	.11	L 921	
5000 ——5K0 7500 ——7K5	✓ ✓ 0.039	V V V 0.050	✓ ✓ 0.070 ✓ ✓ 0.058	✓ 0.100	✓ 0.123✓ 0.100	✓ 0.141✓ 0.115	✓ 0.141	✓ = Standard values; check availability Rheostats are silicone-ceramic coated at and				
8000 ——8K0				✓ 0.079				above the following ohmic values: Model C: all Model G: 5000Ω				
10000 ——10K 12500 ——12K5		✓ ✓ ✓ 0.035 ✓ ✓ ✓ 0.031	✓ ✓ 0.050	✓ 0.070	✔ 0.087	✓ 0.100	✓ 0.122	Model E:		Model K: 5		
15000 ——15K		V V V 0.029	✓ ✓ 0.041	✓ 0.058				Model H:		Model L: 7	500Ω	
20000 ——20K 25000 ——25K			✓ ✓ 0.035✓ ✓ 0.032	✓ 0.050 ✓ 0.045				Model J: 5000Ω				
30000 ——30K			3.002	✔ 0.041				Check product availability at www.ohmite.com				
40000 ——40K 50000 ——50K				✓ 0.035✓ 0.032					VV VV VV . UII			